

# Mirathane™ M85F (Halogen)

Thermoplastic Polyurethane Elastomer (Polyether)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ M85F (Halogen) is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) product. It is available in Asia Pacific. Typical application: Wire & Cable.  
Characteristics include:  
Flame Rated  
Flame Retardant

General Information			
Additive	Halogen		
Features	Flame Retardant		
Uses	Communication Cable Jacketing		
	Power Cable Jacketing		
	Wire & Cable Applications		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	88		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance	50.0	mg	ASTM D1044

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	3.00	MPa	
300% Strain	7.00	MPa	
Tensile Strength (Yield)	15.0	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	60.0	kN/m	ASTM D624

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature <sup>1</sup>	-60.0	°C	ASTM D3417

Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94

NOTE			
1.	10°C/min		

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